

## Traffic Noise Considerations - Undeveloped Lands

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December 2014

As part of the preliminary engineering and environmental study (Phase I) for this proposed project, projected future traffic noise levels were evaluated for lands (either currently under your jurisdiction or land that may come under your jurisdiction) near the proposed roadway improvement. For your information, this study area includes undeveloped or agriculture land that is zoned for uses other than agriculture, or land that is planned for future development in a comprehensive land use plan. For developed lands, a traffic noise study has been completed for this project and will be included in the Combined Design Report which will be presented at the public hearing and transmitted to you upon completion of the Phase I study.

Attached for your information is an exhibit showing the predicted design year (2040) build traffic noise levels for these undeveloped lands identified along the project corridor. We hope this information will be useful to you in planning and permitting future development in your area. Although noise abatement is not warranted, we recommend that you carefully consider the future predicted noise levels to avoid potential issues of public concern over incompatible noise levels.

To help with your future planning and discernment regarding permitting decisions, we encourage you to obtain the Federal Highway Administration (FHWA) publication titled *Entering the Quiet Zone: Noise Compatible Land Use Planning* from their website at

[http://www.fhwa.dot.gov/environment/noise/noise\\_compatible\\_planning/federal\\_approach/land\\_use/quietezon.pdf](http://www.fhwa.dot.gov/environment/noise/noise_compatible_planning/federal_approach/land_use/quietezon.pdf).

For additional information regarding traffic noise, regulations and policy, noise analyses or noise abatement, visit the Department's website at <http://www.idot.illinois.gov/transportation-system/environment/index> under the Community tab.

The draft version of the Traffic Noise Technical Report is available on the project website at <http://www.ilroute31.com/projectdocuments.html>.

If you have any questions or concerns, please contact:

Illinois Department of Transportation  
Bureau of Programming  
201 W. Center Court  
Schaumburg, IL 60196-1096  
Attention: Scott Czaplicki, Project Manager  
(847) 705-4107  
[scott.czaplicki@illinois.gov](mailto:scott.czaplicki@illinois.gov)

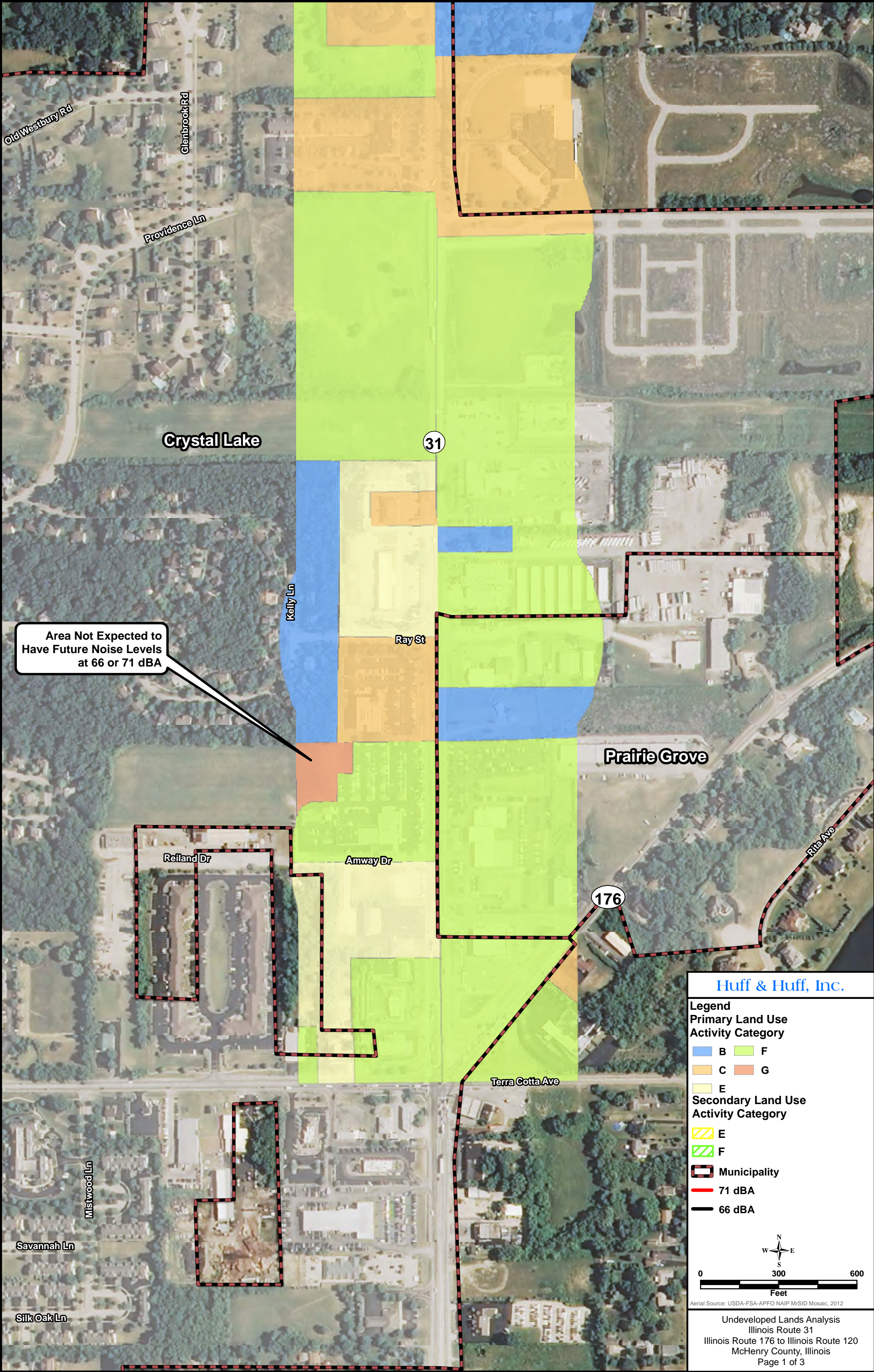
Copies to: City of Crystal Lake, Village of Prairie Grove, City of McHenry,  
Nunda Township, McHenry County



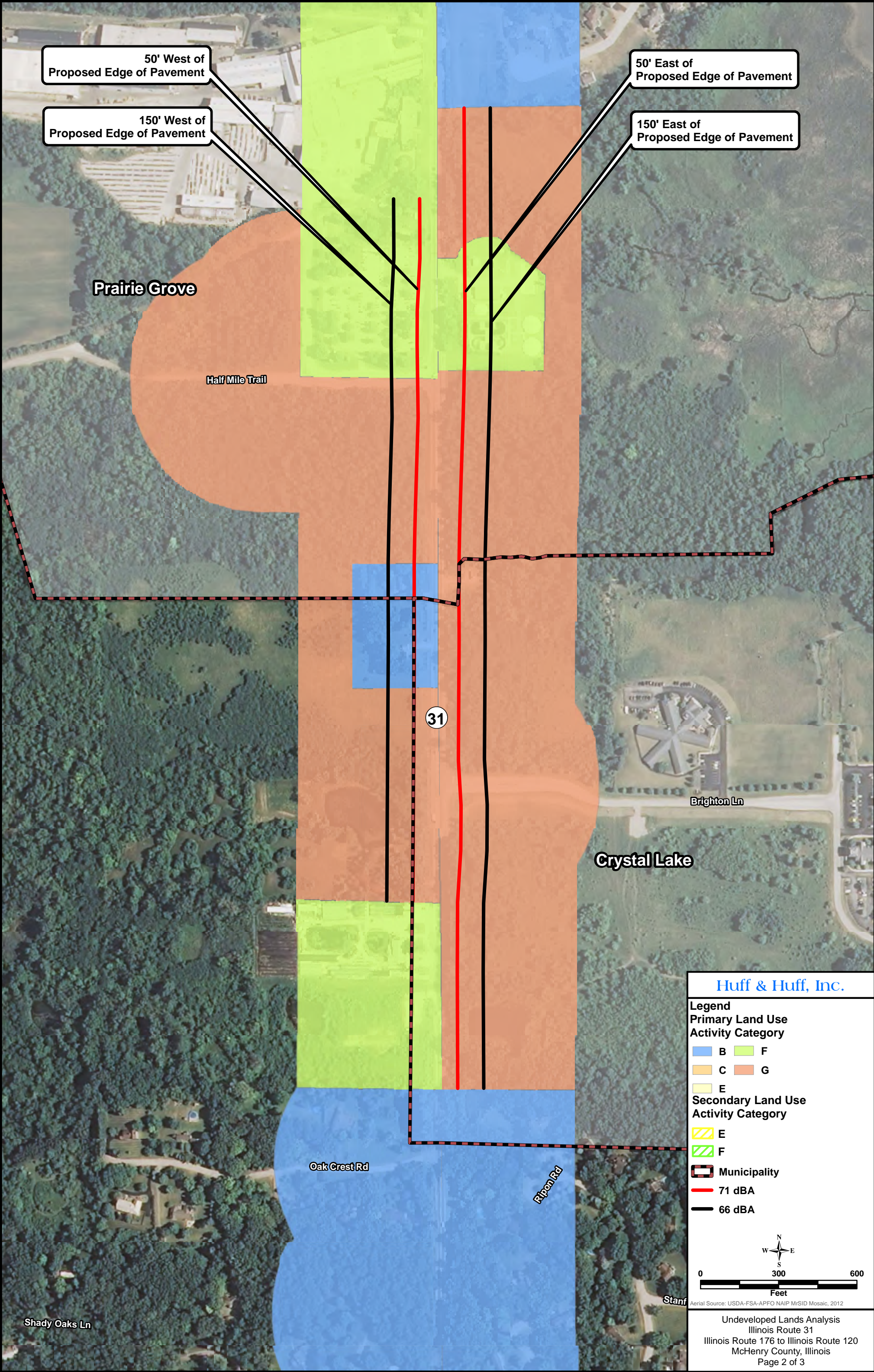
**TABLE 1**  
**NOISE ABATEMENT CRITERIA - HOURLY WEIGHTED SOUND LEVEL**

Activity Category <sup>1</sup>	L <sub>eq</sub> (h)	Evaluation Location	Activity Description
A	57	Exterior	Lands on which serenity and quiet are of extraordinary significance and serve an important public need and where the preservation of those qualities is essential if the area is to continue to serve its intended purpose.
B	67	Exterior	Residential.
C	67	Exterior	Active sport areas, amphitheaters, auditoriums, campgrounds, cemeteries, day care centers, hospitals, libraries, medical facilities, parks, picnic areas, places of worship, playgrounds, public meeting rooms, public or nonprofit institutional structures, radio studios, recording studios, recreation areas, Section 4(f) sites, schools, television studios, trails and trail crossings.
D	52	Interior	Auditoriums, day care centers, hospitals, libraries, medical facilities, places of worship, public meeting rooms, public or nonprofit institutional structures, radio studios, recording studios, schools, and television studios.
E	72	Exterior	Hotels, motels, offices, restaurants/bars, and other developed lands, properties or activities not included in A-D or F.
F	---	---	Agriculture, airports, bus yards, emergency services, industrial, logging, maintenance facilities, manufacturing, mining, rail yards, retail facilities, shipyards, utilities (water resources, water treatment, electrical), and warehousing.
G	---	---	Undeveloped lands that are not permitted.

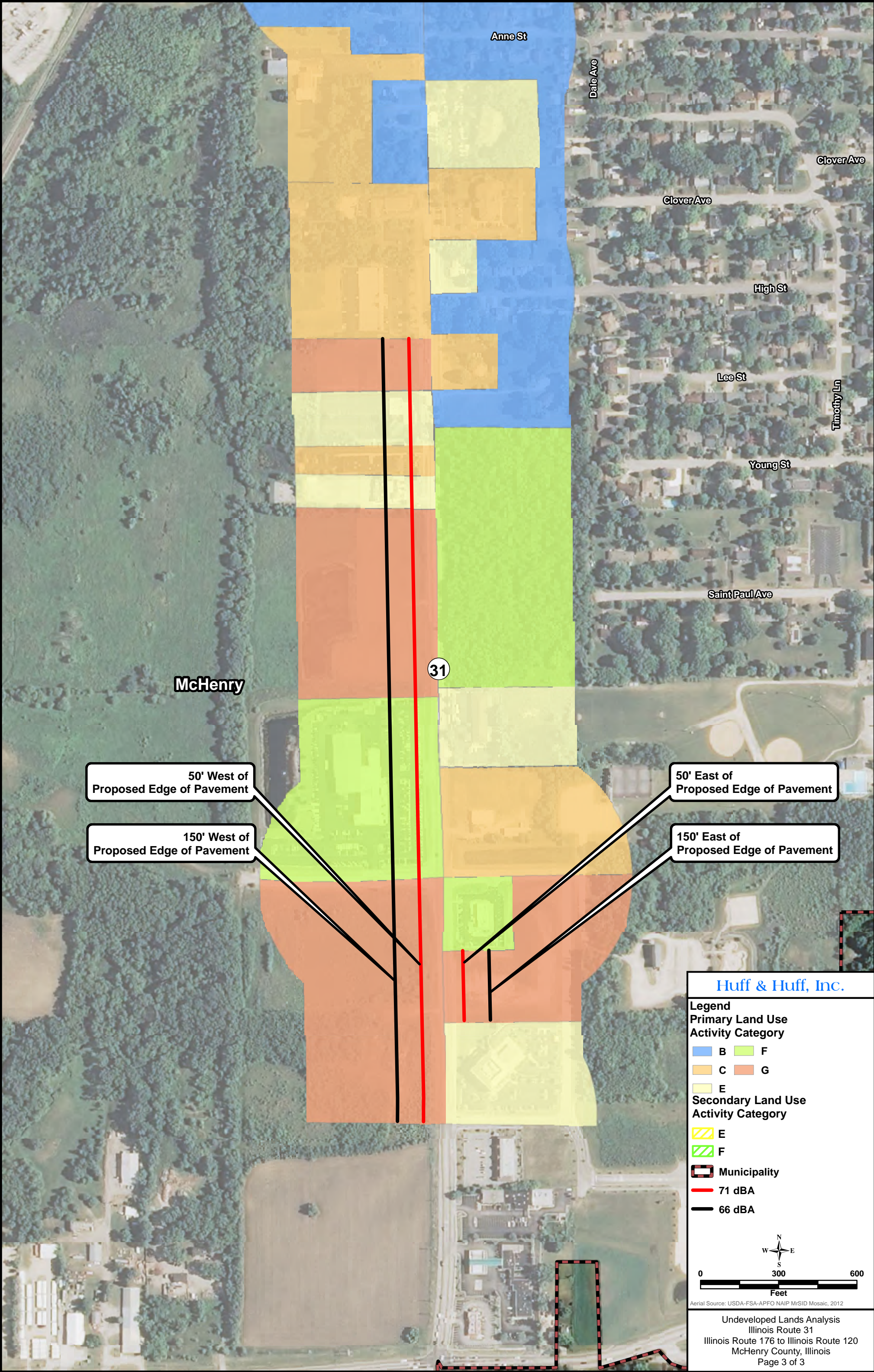












McHenry

Anne St

Date Ave

Clover Ave

Clover Ave

High St

Lee St

Timothy Ln

Young St

Saint Paul Ave

31

50' West of  
Proposed Edge of Pavement

150' West of  
Proposed Edge of Pavement

50' East of  
Proposed Edge of Pavement

150' East of  
Proposed Edge of Pavement

Huff & Huff, Inc.

Legend

Primary Land Use  
Activity Category

B C E

F G

Secondary Land Use  
Activity Category

E F

Municipality

71 dBA

66 dBA



0 300 600  
Feet

Aerial Source: USDA-FSA-APFO NAIP MrSID Mosaic, 2012

Undeveloped Lands Analysis  
Illinois Route 31  
Illinois Route 176 to Illinois Route 120  
McHenry County, Illinois  
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